

Figure S1. SH promoted cell redifferentiation in Htori3 cells. The Htori3 cells were exposed to fixed concentrations of SH (0,2,4,6mM) for 24 hours. SH upregulated the expression of thyroid-specific genes and the transcription factor expression. Data are the mean \pm SD of three samples per group. ** $p < 0.005$ vs. control. SH, sinomenine hydrochloride; NIS, sodium/iodide symporter; TG, thyroglobulin; TPO, thyroid peroxidase; TSHR, thyroid stimulating hormone receptor; PAX-8, paired box gene-8.

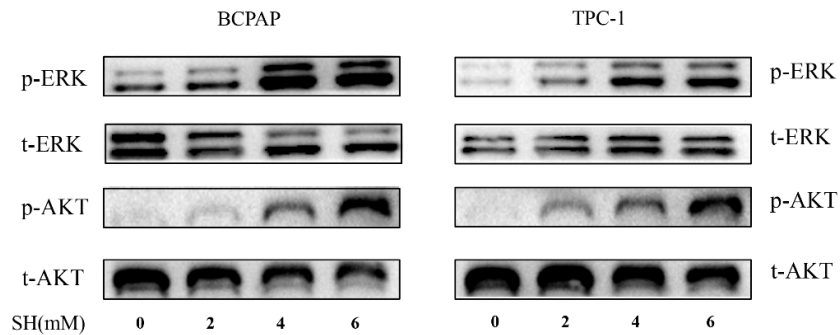


Figure S2. The expressions of p-ERK and p-AKT in BCPAP and TPC-1 cells were determined by western blot with quantitative analysis. Cells were treated with SH(0,2,4,6mM) for 48h. ERK and Akt phosphorylation were upregulated to various degrees. t-ERK and t-AKT was used as the loading control.